Attunity Connect Installation Guide

Windows Platforms

Version 4.1

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Windows Installation

Requirements

The following are the hardware and software requirements for Attunity Connect software.

Hardware

- 128 MB memory (256 MB is recommended)
- 40 MB free disk space

Software

The following versions of Microsoft Windows have been certified:

- Microsoft Windows '98.
- Microsoft Windows NT Server Version 4.0.1 with service pack 5 or higher.
- Microsoft Windows 2000 with service pack 2 or higher.
- Microsoft Windows 2003.
- Microsoft Windows XP.
  - When installing on Windows XP, you cannot specify a logical drive as the Destination folder for the installation.

NT Server Upgrade Installation

When upgrading, before doing the installation, backup Attunity Connect repository entries, as follows:

```
NAV_UTIL EXPORT ALL SYS out.xml
```

where *out.xml* is the name (including path) of an XML file where the SYS definitions will be written.

Run the following for every data source accessed by Attunity Connect:

```
NAV_UTIL EXPORT ALL dsname dsout.xml
```

where *dsname* is a data source name, as defined in the binding configuration and *dsout.xml* is the name (including path) of an XML file where the data source definitions will be written.

There are two types of upgrade installation:

- An upgrade installation that overwrites the old version.
  - ❖ You must upgrade all client machines as well as the NT server machine.
- An upgrade installation that saves the old version, **allowing you to continue using client machines with a previous version of Attunity Connect**.

These different upgrade installations are described in the following sections.

Upgrading and Overwriting the Old Version

Shutdown the Attunity Connect daemon during the upgrade installation. You can shut down the daemon via Services from the Windows Control Panel.

❖ Backup Attunity Connect software before installing the new version.

Backup Attunity Connect repository entries, as follows:
NAV_UTIL EXPORT ALL SYS *out.xml*
where *out.xml* is the name (including path) of an XML file where the SYS definitions will be written.
Then run the following for every data source accessed by Attunity Connect:
NAV_UTIL EXPORT ALL *dsname dsout.xml*
where *dsname* is a data source name, as defined in the binding configuration and *dsout.xml* is the name (including path) of an XML file where the data source definitions will be written.

Upgrading a Server While Saving the Old Version

If you want to upgrade the server version of Attunity Connect while keeping the client machines with a previous version, install the new version of Attunity Connect in a folder other than that of the existing version.

For information about selecting which version of Attunity Connect to run, see "Switching Between the New Version and a Prior Version", below.

Switching Between the New Version and a Prior Version

After installing Attunity Connect while saving a prior version, you can work with either version of the software.

▶ **To work with the version prior to the new version, run the following command:**

```
regsvr32 nav32.dll
```

where nav32.dll resides in the BIN folder under NAVROOT of the earlier version.

▶ **To work with either version of Attunity Connect, do the following:**

- Make sure that nothing is defined in either the path or navroot.
- Run the nav_login file for the version you want to work with. The appropriate nav_login resides under the NAVROOT of the version you want to run.

Installation

Run the self-extracting executable installation file, **ac4100-Win32.exe**, either via the Run option in the Windows Start menu or through Windows Explorer.

The location of these files depends on how you obtained Attunity Connect. Attunity Connect software is available from the Download page of the Attunity website (www.attunity.com) and as a CD-ROM disk.

- If you downloaded Attunity Connect from the web, the installation file resides in the folder you specified.
- If you received an Attunity Connect CD-ROM disk, the installation file resides in the win32 folder.

Post-Installation

The following procedures are performed after a successful installation to configure Attunity Connect:

- Registering Attunity Connect
- Adding Attunity Connect to the Registry Services Table
- Setting the Language

Additionally, if the installation is an upgrade from a previous version, the following upgrade procedure is performed:

- Upgrading Attunity Connect from a Previous Version

Informix Note – The default driver supplied by Attunity Connect is for use with Informix version 7.x. If the version of Informix you are using is version 9 or higher, overwrite the nvdb_inf shareable image with the nvdb_inf9 shareable image. You can revert back to the default by overwriting the nvdb_inf shareable image with the nvdb_inf7 shareable image. All three files (nvdb_inf, nvdb_inf7 and nvdb_inf9) are in NAVROOT\lib, where NAVROOT is the directory where Attunity Connect is installed.

ODBC Note – To access data sources via ODBC, the Microsoft ODBC Driver Manager must be present on the machine. If the 32bit ODBC icon is not displayed in the Control Panel, download the ODBC Driver Manager from the Microsoft Internet site (http://www.microsoft.com/data/odbc).

To work with the ODBC API, install the Microsoft ODBC Software Development Kit V2.5 or higher. You can download this software from the Microsoft Internet site (http://www.microsoft.com/data/odbc).

OLE DB/ADO Note – To work with the OLE DB API, install the Microsoft Data Access Components (MDAC) 2.0 or higher. This software is available from the Microsoft Internet site (http://www.microsoft.com/data).

Registering Attunity Connect

You need to register the copy of Attunity Connect before you can access data sources on this machine, other than Attunity Connect demo data. To use Attunity Connect you must have a Product Authorization Key (PAK) file, called *license.pak*. A PAK is normally supplied by the Attunity Connect vendor. It contains details such as the product expiration date (if any), the maximum number of concurrent sessions allowed, which drivers you are authorized to use, and other information. The PAK is supplied to you in electronic form, and you must register it before you can use the product.

- ❖ If you upgraded a previous version of Attunity Connect, a new license is automatically registered.

▶ To register a Product Authorization Key:

1. Save the license to a file with an extension other than PAK (such as license.txt). This prevents the current license from being manually overwritten.
2. Under Windows, access DOS via the **Start | Programs | Attunity | Attunity Connect Environment Prompt** program.

3. Run the following:

   ```
   nav_util register license
   ```

   where *license* is the full name including the path of the license file.

   For example, run `nav_util register c:\temp\license.txt`, where the license file license.txt was saved in c:\temp.

You now have the new license file (license.pak) residing in the DEF folder under NAVROOT (the root folder where Attunity Connect is installed).

❖ You need to register the PC version of Attunity Connect only if you plan to use Attunity Connect with local drivers to data sources.

You can display the license details by running the following command (from DOS, via the Attunity Connect Environment Prompt):

```
nav_util check license
```

The following type of information is returned:

```
Active licensed items are:

APIs: All
Providers: All
Features: All
Options: None
Graphical Utilities: All
Concurrent Users: 100

Press any key to continue...
```

Setting the Language

National Language Support (NLS) is provided by Attunity Connect for the following languages:

- English (the default)
- Hebrew
- Japanese
- Korean
- Simple Chinese
- Traditional Chinese

The language is specified via the following Attunity Connect environment settings:

- language
- codepage

For full details of NLS, refer to "National Language Support (NLS)" in *Attunity Connect Reference*.

▶ To define the language and codepage environment settings:

1. Run the following command:

   ```
   nav_util edit bindings
   ```

   The XML representation of the Attunity Connect binding information is displayed, including some XML similar to the following:

   ```
   <environment name='NAV'>
     <misc codePage='' language=''/>
     <queryProcessor/>
     <optimizer goal='none' preferredSite='server'/>
     <transactions/>
     <odbc/>
     <oledb/>
     <tuning/>
   </environment>
   ```

2. In the language field (bolded in the above XML), specify one of the following for the language required:

   HEB – Hebrew

   JPN – Japanese

   KOR – Korean

   SCHI – Simple Chinese

   TCHI – Traditional Chinese

3. Optionally, in the codePage field (bolded in the above XML), specify the codepage required.

   You can skip this step, and just specify a language (see the previous step). In this case, a default codepage is used. The following shows the default codepages:

   HEB – IW8ISO8859P8

   JPN – JA16SJIS

   KOR – KO16KSC5601

   SCHI – ZHS16CGB231280

   TCHI – ZHT16BIG5

The following table lists the supported codepages according to language:

Language	Supported Codepage Values	Description
Hebrew	IW7IS960	Israeli standard 960 7-bit Latin/Hebrew (ASCII 7-bit)
	IW8ISO8859P8	ISO 8859-8 Latin/Hebrew (ASCII 8-bit) (also known as codepage 862)
Japanese	JA16SJIS or SJIS	Shift-JIS 16-bit
	JA16EUC or EUC	EUC 16-bit
	JA16VMS or SDECK	Super DEC Kanji (EUC+) 16-bit
Korean	KO16KSC5601	KSC5601 16-bit
Simple Chinese	ZHS16CGB231280	16-bit Simple Chinese
Traditional Chinese	ZHT16BIG5	BIG5 16-bit Traditional Chinese

Adding Attunity Connect to the Registry Services Table

To specify Attunity Connect in the TCP/IP registry services table, run the following command:

irpcd –s register [-a *alternate_name*] [-l *alternate_port*]

where:

alternate_name – Registers the Attunity Connect daemon as a service under a name you specify.

alternate_port – Assigns the Attunity Connect daemon to a port number other than 2551.

Upgrading Attunity Connect from a Previous Version

Import all the XML files exported prior to doing the installation, as described in "NT Server Upgrade Installation" on page 3. Run:

`NAV_UTIL IMPORT` *`xml_file_name`*

where *xml_file_name* is the name (including path) of an XML file where the exported information was written.

Silent Installation

A silent installation enables you to perform an installation without having to respond to any prompts. Initially you perform a normal installation and capture, in a file, the responses to the installation prompts. You can then run the installation using the file containing the captured responses.

▶ **To install Attunity Connect silently (without prompts), do the following:**

1. Create a response file, by running the installation with the following arguments:

   `ac4100-Win32.exe -s -a -r [-f1`*`filename.iss`*`] [-f2`*`file.log`* `[-verbose]]`

   where:

   filename.iss – The full path and name of the response file. If this parameter is omitted, a response file named *setup.iss* is created in the Windows folder.

   file.log – The installation log file. If you do not specify this parameter, the installation log is deleted after installation.

   -verbose – More information is written to the log.

   ❖ You can also use the following format to create the response file:
   `ac4100-Win32.exe /s /a /r [-f1`*`filename.iss`*`]`

   An Attunity Connect installation proceeds and the responses are recorded in the response file.

   Example

   ```
   C:\temp\ac4100-Win32.exe -s –a –r
   -f1C:\temp\Mysetup.iss
   ```

2. Run the silent installation with the following command:

   `ac4100-Win32.exe –s –a -s -f1`*`filename.iss`* `[-f2`*`file.log`* `[-verbose]]`

   where:

   filename.iss – The full path and name of the response file created in step 1.

   file.log – The installation log file. If you do not specify this parameter, the installation log is deleted after installation.

   -verbose – More information is written to the log.

   ❖ You can also use the following format to create the response file:
   `ac4100-Win32.exe /s /a /s -f1filename.iss`

Example

```
C:\temp\ac4100-Win32.exe -s –a –s
-f1C:\temp\Mysetup.iss iss -f2C:\temp\mylog.log
-verbose
```

Troubleshooting a silent installation

The following return codes are reported by the silent installation and written to the log file (if a log is specified):

Return Code	Meaning
0	Success.
-1	General error.
-2	Invalid mode.
-3	Required data not found in the *setup*.iss file.
-4	Not enough memory available.
-5	File does not exist.
-6	Cannot write to the response file.
-7	Unable to write to the log file.
-8	Invalid path to the InstallShield Silent response file.
-9	Not a valid list type (string or number).
-10	Data type is invalid.
-11	Unknown error during setup.
-12	Dialog boxes are out of order.
-51	Cannot create the specified folder.
-52	Cannot access the specified file or folder.
-53	Invalid option selected.

Getting Started with Attunity Connect

After completing the installation, refer to the *Getting Started* documentation and the *Attunity Connect Guide*.